



# Develop AI agents using Azure OpenAI and the Semantic Kernel SDK (AZ-2005)

## Description

### Master AI Agent Development in One Day with Our AZ-2005 Training:

Develop AI Agents with Azure OpenAI and the Semantic Kernel SDK. Designed for developers, data scientists, and AI enthusiasts, this course “Develop AI agents using Azure OpenAI and the Semantic Kernel SDK (AZ-2005)” will enable you to build and deploy AI agents for real-world applications.

Learn how to leverage Azure OpenAI and the Semantic Kernel SDK to advance your AI career simply and effectively. Take advantage of the “Develop AI agents using Azure OpenAI and the Semantic Kernel SDK (AZ-2005)” training, covering everything from creating semantic kernels to intelligent AI planners, and embark on a captivating guided project to create an AI travel agent.

## Course Content

### Module 1 : Build your kernel

- What is semantic kernel
- Why use semantic kernel
- How to build your kernel

### Module 2 : Run prompts with Semantic Kernel

- Optimize language model prompts
- Use semantic kernel prompt templates
- Use Handlebars prompt templates
- Store chat history

### Module 3 : Create Semantic Kernel plugins

- Understand native plugins
- Configure function choices

### Module 4 : Apply filters on functions

- Understand prompt injections
- Filter invoked functions

## **Module 5 : Guided project - Create an AI travel agent**

- Prepare for guided project

### **Lab / Exercises**

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

### **Documentation**

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and educational content to deepen your knowledge and develop your technical skills.

### **Participant profiles**

- Azure Developer
- AI Engineer
- Data Scientist

### **Prerequisites**

- Programming experience in C#.
- Installed Visual Studio Code IDE.
- Knowledge of Azure and the Azure portal.
- Access to Azure OpenAI Services.

### **Objectives**

- Understand the concept and utility of the semantic kernel
- Create and optimize plug-ins for the semantic kernel
- Develop native skills for your AI agent
- Combine prompts and functions to enrich interactions
- Use and optimize intelligent AI planners
- Complete a guided project to create a full AI travel agent

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### **Niveau**

Intermédiaire

### **Classroom Registration Price (CHF)**

900

### **Virtual Classroom Registration Price (CHF)**

850

### **Duration (in Days)**

1

### **Reference**

AZ-2005